

CLAIMS

1. Gear for electrically/hydraulically and manually driven sheet winches, including a drive shaft housing (28) connected with a gear housing (2), where the drive shaft housing (28) includes a drive shaft (26) connected with a rotatably suspended planet carrier (22) with a number of planet wheels (14,16) rotatably suspended on a number of planet pinion spindles (18, 20) corresponding to the number of planet wheels, the planet pinion spindles being anchored in the planet carrier (22) and distributed about a common centre axis (12) for the drive shaft (26) and the planet carrier (22), where the planet wheels (14, 16) interact with a toothed rim situated at the underside of the gear housing (2), the drive shaft (26) driven to one-way rotation in a given direction by insertion of a rotor hub (8, 10) interacting with the planet wheels (14, 16) on an electric/hydraulic drive unit (4), and where between the drive shaft (26) and the planet carrier (22) there is provided a free-wheeling mechanism (24), **characterised in that** the planet carrier (22) is suspended on roller/ball bearings disposed farther away from the centre axis (12) of the planet carrier than the free-wheeling mechanism (24).
10
2. Gear according to claim 1, **characterised in that** the planet carrier (22) is suspended on roller/ball bearings disposed on the outer periphery (42) of the planet carrier and farther away from the centre axis (12) of the planet carrier than the attachment points for the planet pinion spindles (18, 20) in the planet carrier (22).
20
3. Gear according to claim 1, **characterised in that** the planet carrier (22) is suspended on roller/ball bearings disposed closer to the centre axis (12) of the planet carrier than the attachment points of the planet pinion spindles (18, 20) in the planet carrier (22).
25
4. Gear according to any of claims 1 - 3, **characterised in that** the roller/ball bearings for the rotatable suspension of the planet carrier (22) is mainly disposed at the same level as the cutouts (38) in the planet carrier interacting with the pawl(s) on the free-wheeling mechanism (24).
30

5. Gear according to any of claims 1 - 4, **characterised in that** rollers/balls (40) constituting one half of the roller-ball bearings on the outer periphery (42) of the planet carrier are guided/carried in grooves (44, 46, 48) formed in the external periphery (42) of the planet carrier (22), in the gear housing (2) and in the drive shaft housing (28),
5 respectively, and are disposed at the transition between the gear housing (2) and the drive shaft housing (28).

10 6. Gear according to any of claims 1 - 4, **characterised in that** the rollers/balls (40) constituting one half of the roller-ball bearings on the external periphery (42) of the planet carrier are guided/carried in grooves (44, 46, 49) formed in the external periphery (42) of the planet carrier (22), in the gear housing (2) and in an extension of the toothed rim (33) and is disposed at the transition between the gear housing (2) and the toothed rim (33), and that the toothed rim is releasably fastened to the underside of the gear housing (2).